I.   AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 20, line 21 with the following amended paragraph:

At TIME = 32 ms, task T2 [[T3]] is still executing but the execution timer has expired. Consequently, the task processor 150 saves the state of task T2 [[T3]] and step 265 and suspends this task at step 270. The task processor 150 then verifies the task set 140 and determines that the task set 140 contains tasks T2 and T3. Applying the same criterion as before, it is noted that task T3 has been suspended the least number of times (i.e., twice). Therefore, the step of selecting a task at step 210 will result in selection of task T3 as the next task to be advanced towards completion. At step 220, the task processor 150 resets the execution timer and, at step 230, restores the state of task T3 and resumes execution of this task.